Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/31/2020 10:46 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124624	-1	2.43	124702	2.46
Blue	F	SSC	125000	124447	-1	1.99	125255	2.03
Blue	E	FITC	15892	15433	-3	2.86	336	21.35
Blue	D	PE	29999	29171	-3	2.06	636	15.47
Blue	B	PerCP-Cy5-5	43732	43362	-1	3.77	1159	21.05
Blue	A	PE-Cy7	30845	30997	0	6.17	594	42.06
Red	C	APC	46112	44965	-3	2.54	1589	12.31
Red	A	APC-Cy7	30458	29614	-3	2.43	784	12.24
Violet	B	V450	7918	7544	-5	4.43	429	13.92
Violet	A	V500	32171	31108	-4	4.25	731	10.85

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16526	12.42	645	24	N/A	N/A	Pass
Blue	F	SSC	56735	1.45	580	21	N/A	N/A	Pass
Blue	E	FITC	62	65.89	551	8	0.0172	114	Pass
Blue	D	PE	132	50.96	556	8	0.1381	228	Pass
Blue	B	PerCP-Cy5-5	215	51.32	664	8	0.0085	59	Pass
Blue	A	PE-Cy7	112	106.16	710	12	0.0104	25	Pass
Red	C	APC	378	25.40	590	6	0.0234	115	Pass
Red	A	APC-Cy7	173	29.25	561	5	0.0053	900	Pass
Violet	B	V450	65	59.30	465	7	0.0371	1379	Pass
Violet	A	V500	109	36.75	481	7	0.0224	1188	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-33.36	-32.73	0.94
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.38
Red	16.44	13.60 - 20.40	N/A	N/A	29.82	30.47	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.78

Threshold

Threshold (FSC): 9969

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments